ABSTRACT

A sound field characteristic decision system SI measures the impulse response of a sound field 10 to be reproduced, divides the measured impulse response into a plurality of blocks for frequency components and time components, and calculates a weighted linear sum based on a weight coefficient of each of the blocks, so that a sense of spaciousness in the sound field 10 is decided. A sound field control system SF calculates information to be added for each of the blocks according to a difference from a sense of spaciousness in a desired sound field, adds the calculated information to a sound source, and performs synthesis again.